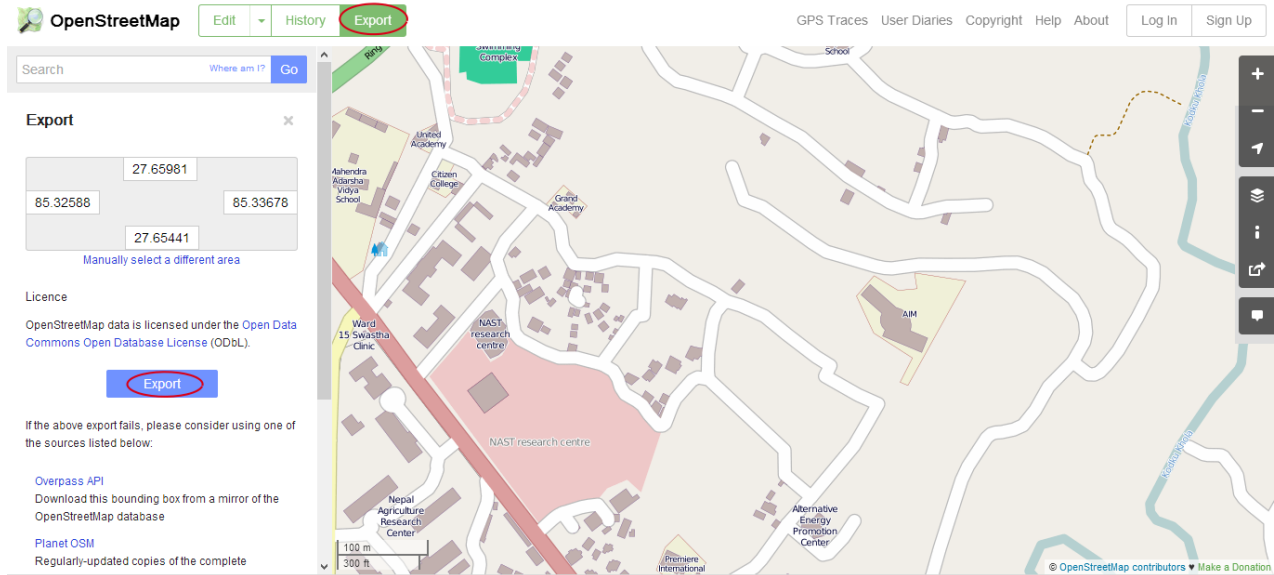


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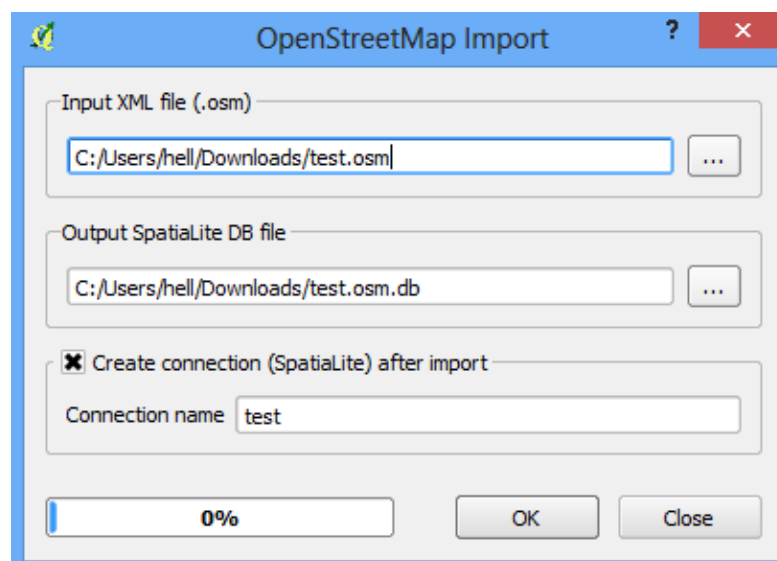
Loading OSM files in QGIS

Download OSM data of any area from OpenStreetMap. Go to www.openstreetmap.org. Zoom into your area of interest. Click on “Export” tab on the top of the OSM window. Rename the downloaded .osm file as test.osm.

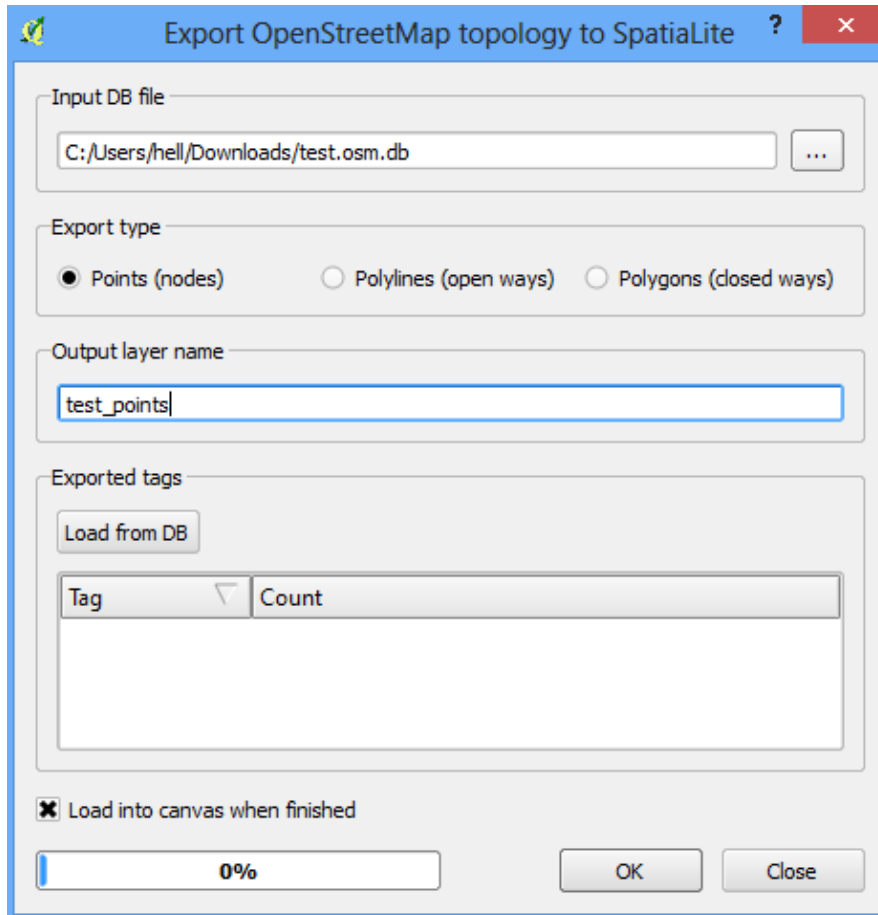


To load OSM data that is downloaded from OpenStreetMap in .osm file format, follow the steps below.

1. Open QGIS.
2. In the main menu, click on “Vector” > “OpenStreetMap” > “Import topology from XML” .

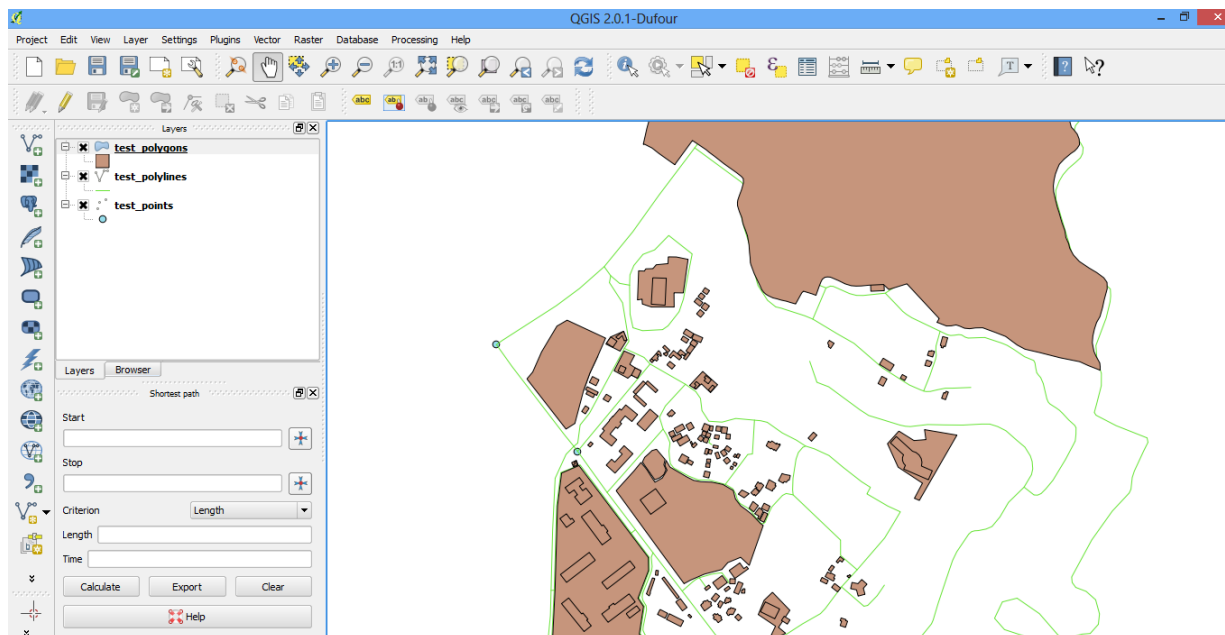


3. Browse the OpenStreetMap .xml file and create a Spatialite DB file. It will automatically name the Spatialite file as "test.osm.db".
4. Again go to "Vector" > "OpenStreetMap" > "Export topology to Spatialite". As input file browse "test.osm.db".



Choose different export types i.e., different layers for points, lines and polygons one by one. Give layer names for the three layer types: test_points, test_lines, test_polygons respectively. Click "OK". Check the "Load into canvas when finished" box.

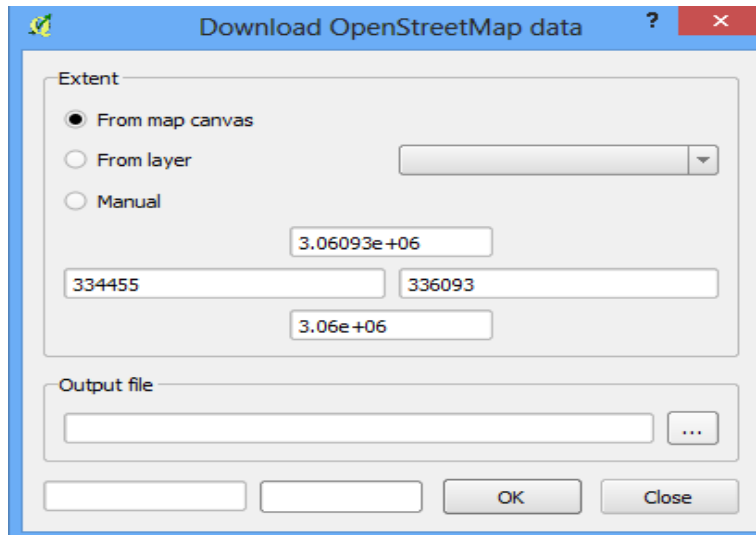
All the three layers will now be displayed on the QGIS map area.



Note: Alternatively, we can download OSM data by providing the extent of latitude and longitude of the required area. Discussed in the next section.

To download data directly from OSM server, provide the extent of the required area.

1. Go to “Vector” > “OpenStreetMap” > “Download data”.



Note: Only small areas are downloadable using this method. Our exercise will be thus based on the first method.

References

http://docs.qgis.org/html/en/docs/user_manual/osm/openstreetmap.html